

August 3 - August 9, 2001

The Terra Spacecraft and all instruments continue to operate in their nominal science mode.

On August 4, the MOPITT Chopper 3 Motor current increased over 40 seconds exceeding the sensor range. (From a nominal 70 mAmps to greater than 353 mAmps before stopping). Possible causes for this anomaly are still being investigated. The anomaly likely caused a fuse to blow resulting in a permanently failed chopper motor. This corrupts the science data on channels 5 & 6. Note: Channels 5-8 are the only channels which provided good science data since the Displacer B Anomaly. Fortunately, Chopper 3 stopped at an open or partially open position allowing data to be captured minimizing the impact to the science data. If Mission Operations personnel are unable to recover the chopper, filtering algorithms on the ground will need to be created to sync the data being captured with the remaining Choppers. The instrument team is assessing the impact.

On August 6, Operations personnel loaded a patch to the Flight Software that changes the Red Flag Inhibit Zone activity log messages from critical to non-critical.

On August 9, Terra successfully performed a minus 7.45-degree roll maneuver for MODIS calibration purposes.